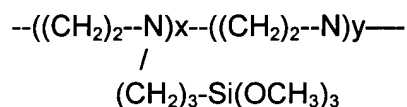


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

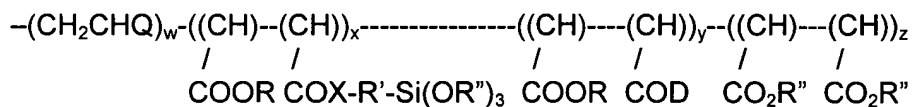
Listing of Claims:

Claim 1 (cancel): A polymer for the reduction of aluminosilicate containing scale according to the formula:



where x = 0.5-20%, y = 99.5-80%.

Claim 2 (cancel): A polymer for the reduction of aluminosilicate containing scale according to formula:

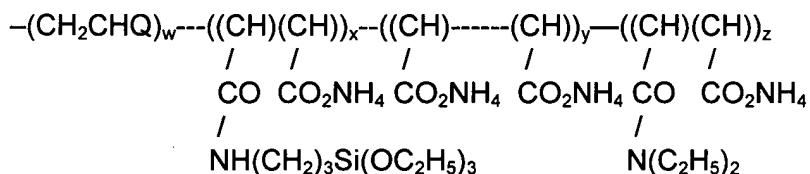


where

w = 1-99.9%, x = 0.1-50%, y = 0-50%, z = 0-50%; and

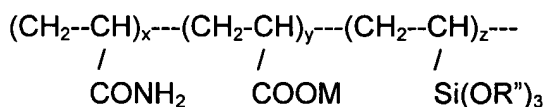
Q = C1-C10 alkyl, aryl, amide, acrylate,
ether, COXR where X=O or NH and R=H, C1-C10
alkyl or aryl, or any other substituent;
R = H, Na, K, NH₄;
X = NH, NR'' or O;
R' = C1-C10 alkyl, or aryl;
R'' = H, C1-C3 alkyl, aryl, Na, K or NH₄; and
D= NR''₂ or OR'', with the proviso that all R and
R'' groups do not have to be the same.

Claim 3 (cancel): The polymer for the reduction of aluminosilicate containing scale according to the formula:



where $w = 1-99.9\%$, $x = 0.1-50\%$, $y = 0-50\%$, $z = 0-50\%$; and
Q is phenyl.

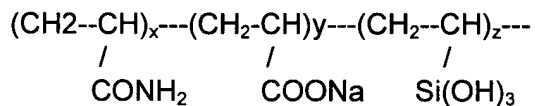
Claim 4 (cancel): A polymer for the reduction of aluminosilicate containing scale according to the formula:



where:

$x = 1-99\%$, $y = 1-99\%$, $z = 0.5-20\%$ and
M = Na, K, NH_4 ; and
R' = H, C1-C3 alkyl, aryl, Na, K or NH_4 .

Claim 5 (cancel): The polymer for use in the reduction of aluminosilicate containing scale according to the formula:



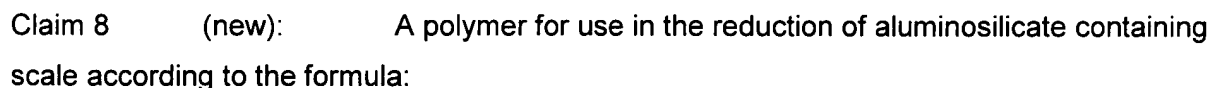
where:

$x = 1-99\%$, $y = 1-99\%$, $z = 0.5-20\%$.

Claim 6 (cancel): A polymer for use in the reduction of aluminosilicate containing scale, wherein the polymer is a graft copolymer of formula a or formula b:



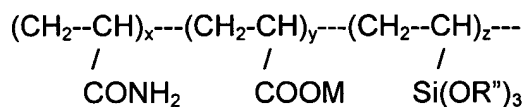
Claim 7 (cancel): The polymer for use in the reduction of aluminosilicate containing scale according to claim 6 according to the formula:



Preliminary Amendment dated August 4, 2004

$$\begin{array}{ccccccc} \text{---(CH}_2\text{CHQ)}_w\text{---((CH)(CH))}_x\text{---((CH)-----}(CH)_y\text{---(CH)(CH))}_z \\ | & | & | & | & | & | & | \\ \text{CO} & \text{CO}_2\text{NH}_4 & \text{CO}_2\text{NH}_4 & \text{CO}_2\text{NH}_4 & \text{CO} & \text{CO}_2\text{NH}_4 & \\ | & & & & | & & \\ \text{NH(CH}_2\text{)}_3\text{Si(OC}_2\text{H}_5\text{)}_3 & & & & \text{N(C}_2\text{H}_5\text{)}_2 & & \end{array}$$

Claim 10 (new): A polymer for use in the reduction of aluminosilicate containing scale according to the formula:



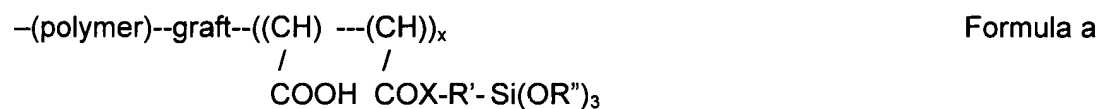
x= 1-99%, y=1-99% , z=0.5-20% and
M = Na, K, NH₄; and
Rⁿ = H, C1-C3 alkyl, aryl, Na, K or NH₄.

$$\begin{array}{ccccc} (\text{CH}_2-\text{CH})_x & \text{---} & (\text{CH}_2-\text{CH})_y & \text{---} & (\text{CH}_2-\text{CH})_z & \text{---} \\ | & & | & & | & \\ \text{CONH}_2 & & \text{COONa} & & \text{Si(OH)}_3 & \end{array}$$

Page 5 of 7

Preliminary Amendment dated August 4, 2004

Claim 12 (new): A polymer for use in the reduction of aluminosilicate containing scale, wherein the polymer is a graft copolymer of Formula a or Formula b:



where $x = 0.1 - 99\%$ (as percentage of monomer units in the polymer) and
 $X = \text{NH}, \text{NR}' \text{ or } \text{O};$
 $\text{R}' = \text{C1-C10 alkyl, or aryl and}$
 $\text{R}'' = \text{H, C1-C3 alkyl, aryl, Na, K or NH}_4.$

Claim 13 (new): The polymer in accordance with claim 12 according to the formula:

